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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known

Application Number	09/891,523
Filing Date	June 27, 2001
First Named Inventor	RAKVIC et al
Group Art Unit	2185
Examiner Name	Not assigned
Attorney Docket Number	2207/1123601

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

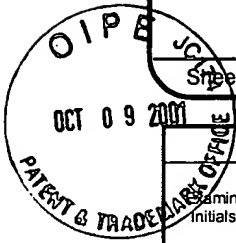
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
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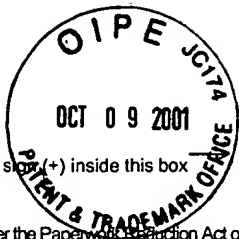
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MI		Agarwal et al, "Column-Associative Caches: A Technique for Reducing the Miss Rate of Direct-Mapped Caches", Proceedings, The 20 th Annual Intl Symposium on Computer Architecture, IEEE Computer Society, Technical Committee on Computer Architecture, Association for Computing Machinery SIGARCH, pp 169-190, San Diego, California, May 16-19, 1993	
MI		Alexander et al, "Distributed Prefetch-buffer/Cache Design for High Performance Memory Systems", Proceedings, Second Intl Symposium on High-Performance Computer Architecture, IEEE Computer Society, Technical Committee on Computer Architecture, pp 254-263, San Jose, California, February 3-7, 1996	
MI		Burger et al, "The SimpleScalar Tool Set, Version 2.0", <i>Computer Sciences Department Technical Report</i> , No. 1342, The University of Wisconsin, Madison, Wisconsin, June 1997	
MI		Edmondson et al, "Internal Organization of the Alpha 21164, a 300-MHz 64-bit Quad-issue CMOS RISC Microprocessor", <i>Digital Technical Journal</i> , Vol. 7, No. 1, pp 119-135, 1995	
MI		Hill, Mark D., "A Case for Direct-Mapped Caches", <i>Computer</i> , pp 25-40, December 1988	
MI		Juan et al, "The Difference-bit Cache", Proceedings, The 23 rd Annual Intl Symposium on Computer Architecture, ACM SIGARCH, IEEE Computer Society, TCCA, pp 114-120, Philadelphia, Pennsylvania, May 22-24, 1996	
MI		Kessler et al, "Inexpensive Implementation of Set-Associativity", Proceedings, The 16 th Annual Intl Symposium on Computer Architecture, IEEE Computer Society Press, pp 131-139, 1989	

Examiner Signature	<i>Midys Inoa</i>	Date Considered	6/2/03
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Unique citation designation number.





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MI		Rau et al, "Pseudo-Randomly Interleaved Memory", Proceedings, The 18 th Annual Intl Symposium on Computer Architecture, Association for Computing Machinery, pp 74-83, Toronto, Canada, May 27-30, 1991	
MI		Rivers et al, "On Effective Data Supply for Multi-Issue Processors", Proceedings, Intl Conference on Computer Design, VLSI in Computers and Processors, IEEE Computer Society Technical Committee on Design Automation, IEEE Circuits and Systems Society, pp 519-528, Austin, Texas, Oct. 12-15, 1997	
MI		Sánchez et al, "A Locality Sensitive Multi-Module Cache with Explicit Management", Proceedings of the 1999 Intl Conference on Supercomputing, ICS '99, Rhodes, Greece	
MI		Sohi et al, "High-Bandwidth Data Memory Systems for Superscalar Processors", ASPLOS-IV Proceedings, Fourth Intl Conference on Architectural Support for Programming Languages and Operating Systems, pp 53-62, Santa Clara, California, April 8-11, 1991	
MI		Wilson et al, "Increasing Cache Port Efficiency for Dynamic Superscalar Microprocessors", Proceedings, The 23 rd Annual Intl Symposium on Computer Architecture, ACM SIGARCH, IEEE Computer Society, TCCA, pp 147-157, Philadelphia, Pennsylvania, May 22-24, 1996	
MI		Wilson et al, "Designing High Bandwidth On-Chip Caches", "The 24 th Annual Intl Symposium on Computer Architecture, Conference Proceedings, ACM, pp 121-132, Denver, Colorado, June 2-4, 1997	
MI		Wilton et al, "An Enhanced Access and Cycle Time Model for On-Chip Caches", Digital WRL Research Report 93/5, Palo Alto, California, July 1994	

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